(Frankl & Rubik 1999). Whether a company would continue, alter or abandon LCA usage seemed to be related to:

- how well surprises are acted upon and the situational adaptation made;
- if results in subsequent LCA studies are too similar, there
 is a probability that LCA use will be much simplified
 (will appear as LCA-based guidelines or indicators). To
 some extent, this is related to the size of the company, or
 rather the diversity of its products and operations. LCA
 application can continue to offer new insights in larger
 companies with broad product ranges;
- if the study is triggered by external debate and external consultants were used, there is a probability that LCA will be abandoned since in-house knowledge about LCA will be limited.

4 Conclusions

It is not sufficient to justify LCA in its own right. LCA also needs to be justified in its organisational context. This means that identical implementation recipes will not work everywhere, since there are elements in the implementation process that call for a situational adaptation. How well the situational adaptation is made is crucial for the continuation of the LCA activities.

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References

Baumann H (1996): LCA Use in Sweden. Int J LCA 1, 122-126
Baumann H (1998a): LCA at Akzo Nobel – A Phoenix. In:
Baumann H (1998): Life Cycle Assessment and Decision Making – Theories and Practices. PhD thesis, Chalmers University of Technology, Sweden

Baumann H (1998b): LCA at Ericsson – A Beginning. In: Baumann, H. (1998): Life Cycle Assessment and Decision Making – Theories and Practices. PhD thesis, Chalmers University of Technology, Sweden

Czarniawska-Joerges B (1997): Narrating the Organization. University of Chicago Press, Chicago

Frankl P, Rubik F (Eds.) (1999): Life Cycle Assessment in Industry and Business. Adoption Patterns, Applications and Implications. Springer-Verlag, Berlin

Glaser BG, Strauss AL (1967): The Discovery of Grounded Theory
– Strategies for Qualitative Research. Aldine, Chicago

Jönsson SA (1995): Goda utsikter. Svensk management i perspektiv. Nerenius & Santérus, Stockholm. (Good prospects. Swedish management in perspectives.)

SPRU/Atlantic Consulting (1996): Adoption by Industry of Life-Cycle Approaches (LCA). Its Implications for Industry Competitiveness and Trade. Report prepared for the European Commission

Tolbert PS, Zucker LG (1996): The Institutionalisation of Institutional Theory. In: Clegg SR, Hardy C, Nord WR (Eds) (1996): Handbook of Organization Studies (chapter 1.6, pp 175-190). Sage, London

Wolcott HF (1990): Writing up qualitative research. Qualitative Research Methods vol 20, Sage, Newbury Park, CA

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